

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P198088

Luminaire Tested: **TT-C1-LED-E1-RW-SG-LWR-LW-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198088
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34701)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C1-LED-E1-RW-SG-LWR-LW-7060
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
RECTANGULAR DISTRIBUTION WITH SOFTENING GLASS LENS AND LumaWatt WIRELESS
SENSOR
Light Source: (168) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2510.6 lumens
Efficiency: N/A
Efficacy: 89.7 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type III - Short - Full Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



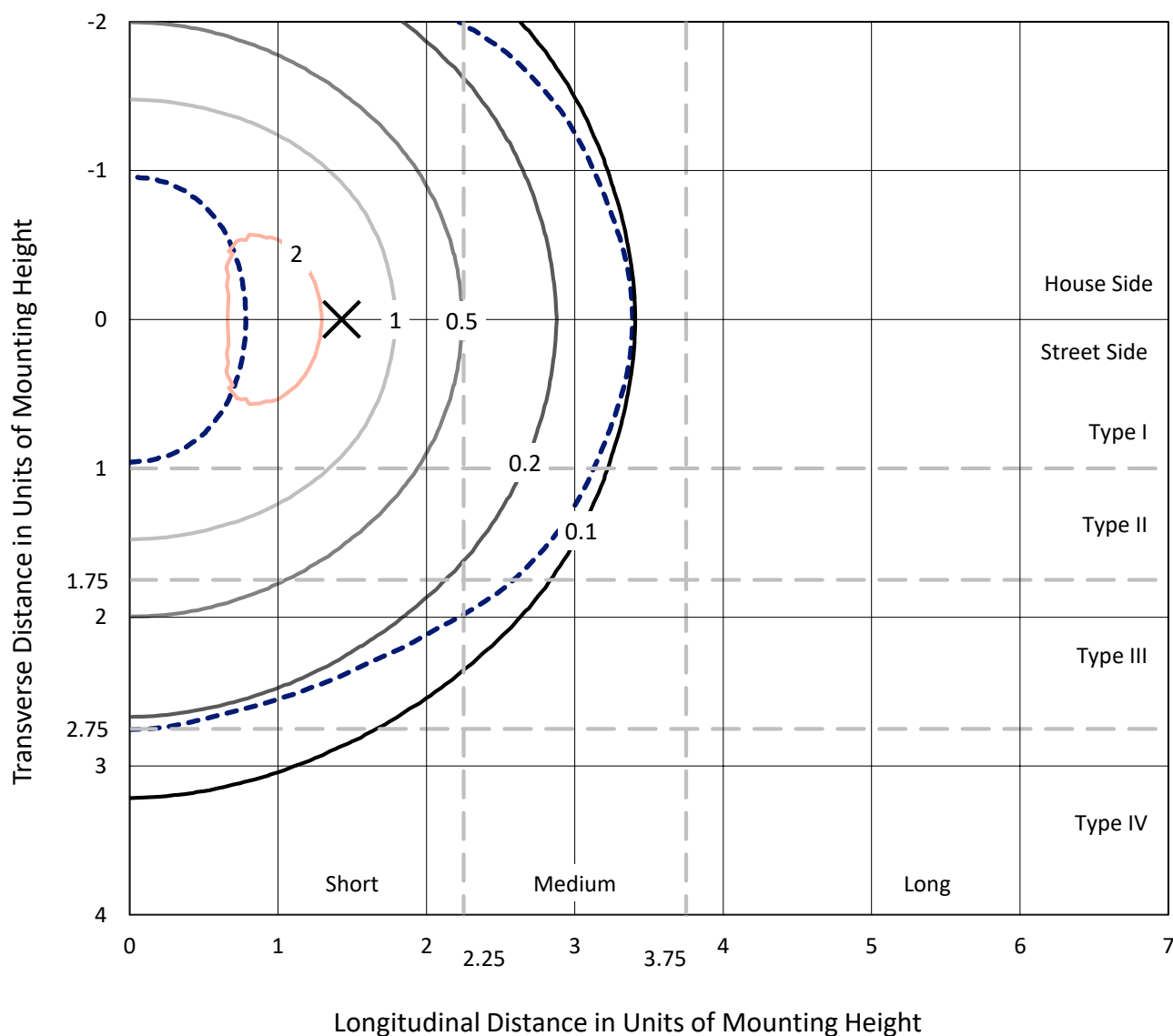
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

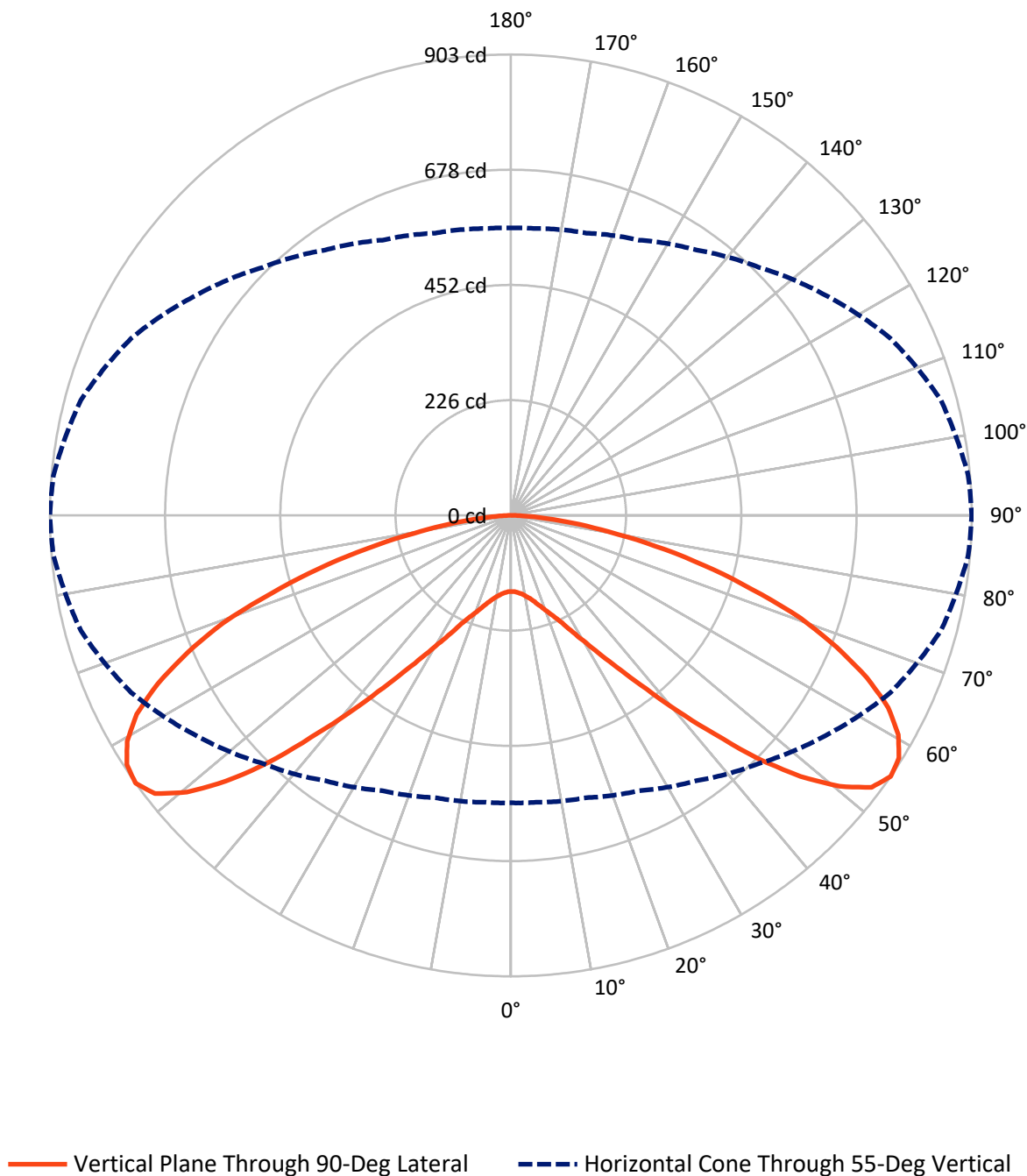


Based on 10 foot mounting height. Maximum calculated value = 2.4 fc
Type III - Short - Full Cutoff

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Luminous Intensity Polar Plot



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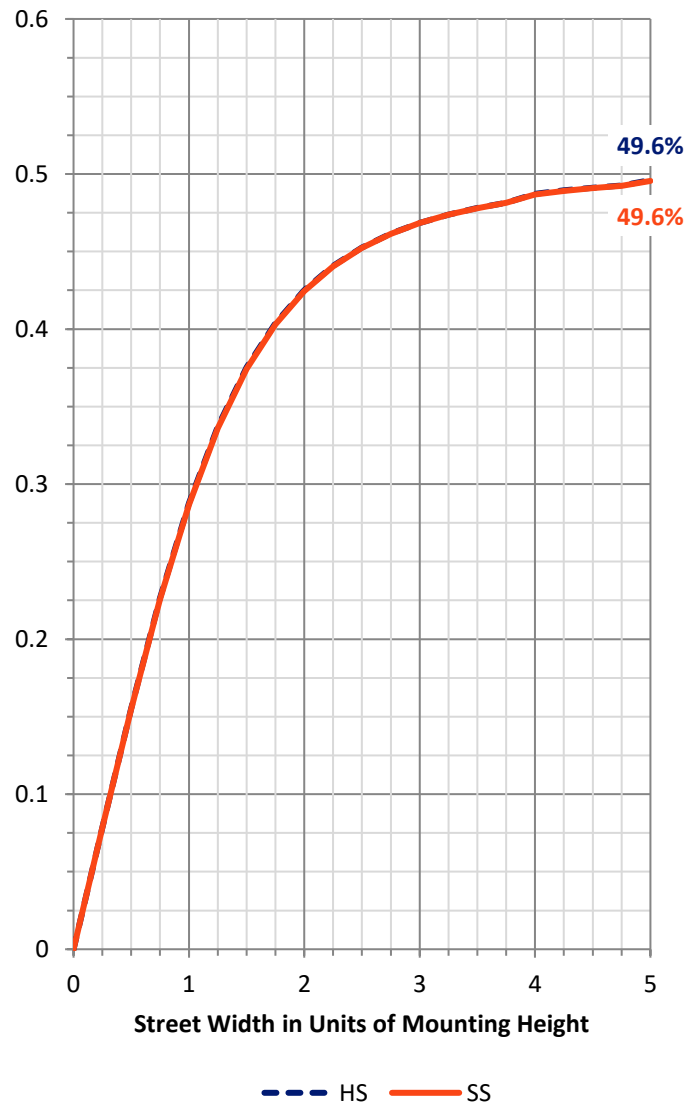
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1255.3	0.0	1255.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1255.3	0.0	1255.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	2510.6	0.0	2510.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.8	0.6
10°-20°	51.3	2.0
20°-30°	112.0	4.5
30°-40°	225.1	9.0
40°-50°	425.5	16.9
50°-60°	627.6	25.0
60°-70°	618.2	24.6
70°-80°	360.0	14.3
80°-90°	76.2	3.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2510.6	100.0
0°-180°	2510.6	100.0

Coefficient of Utilization



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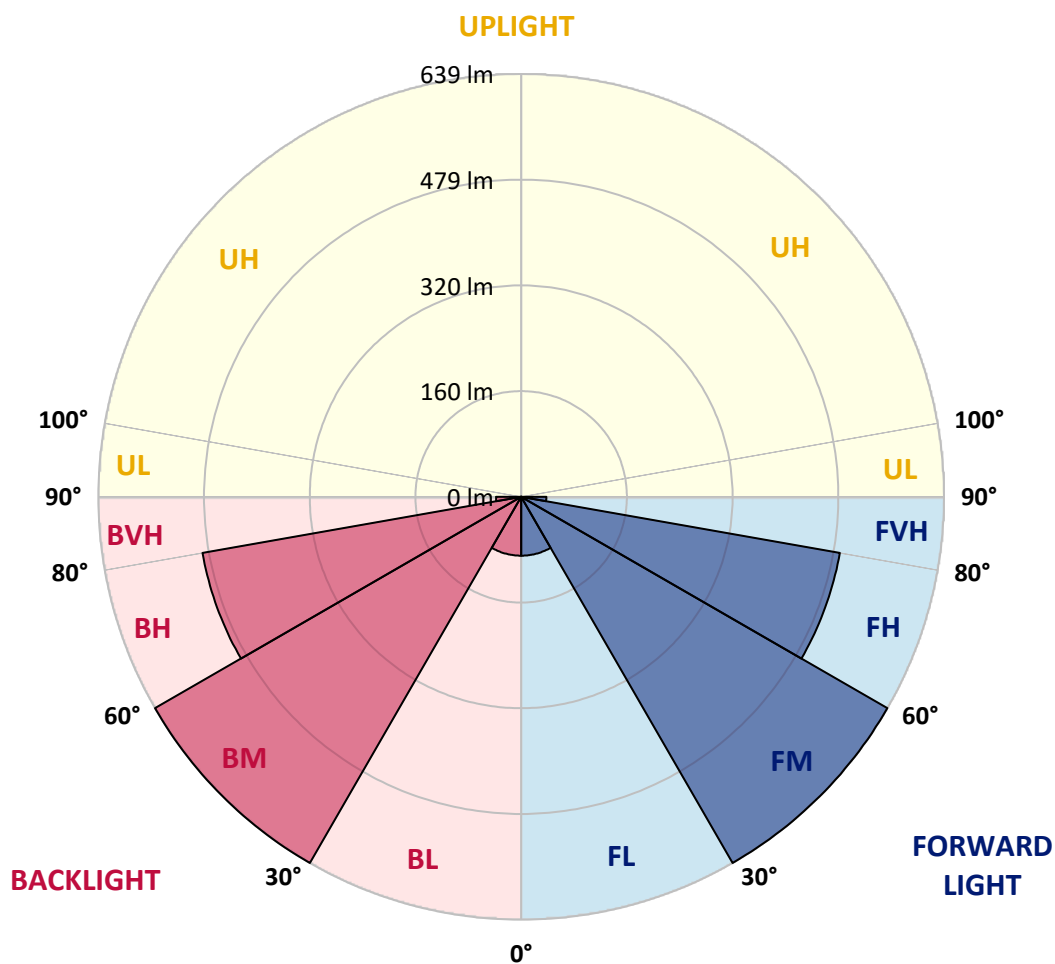
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	89.0	3.5			
FM	(30°-60°)	639.1	25.5			
FH	(60°-80°)	489.1	19.5			G0/660
FVH	(80°-90°)	38.1	1.5			G1/100
BL	(0°-30°)	89.0	3.5	B0/110		
BM	(30°-60°)	639.1	25.5	B1/1000		
BH	(60°-80°)	489.1	19.5	B1/500		G1/500
BVH	(80°-90°)	38.1	1.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	149.1	149.1	149.1	149.1	149.1	149.1	149.1	149.1	149.1	149.1	149.1
2.5°	150.3	150.3	150.3	150.3	149.7	150.3	149.7	149.7	149.7	149.7	149.7
5°	152.0	152.6	152.0	152.0	152.0	152.0	152.0	152.0	151.4	151.4	152.0
7.5°	156.1	156.1	156.1	156.1	155.5	156.1	155.5	155.5	155.5	155.5	155.5
10°	161.9	161.9	161.9	161.9	161.3	161.3	161.3	160.7	160.7	160.7	160.7
12.5°	168.8	169.4	169.4	168.8	168.3	168.3	167.7	167.7	167.7	167.7	167.1
15°	179.3	178.7	178.7	177.5	177.5	176.4	177.0	176.4	175.8	175.2	175.8
17.5°	189.7	190.3	190.3	189.1	188.6	188.0	186.8	186.8	186.2	186.8	186.8
20°	206.0	206.0	204.8	203.7	201.9	201.3	200.2	200.2	199.0	200.2	200.2
22.5°	222.2	222.2	221.1	220.5	218.2	216.4	215.8	215.3	214.7	215.8	214.7
25°	242.5	242.5	241.4	239.0	236.7	236.1	234.4	234.4	235.0	235.6	233.2
27.5°	263.4	264.0	262.8	261.1	258.8	256.5	256.5	257.0	257.6	259.9	259.4
30°	288.9	288.4	286.6	284.3	283.1	281.4	282.0	284.3	286.6	288.9	288.9
32.5°	315.1	314.5	313.9	311.6	311.0	310.4	313.3	318.0	322.6	324.3	327.2
35°	342.9	342.9	342.3	340.6	341.7	344.6	349.3	358.0	365.0	373.1	373.1
37.5°	373.7	372.5	373.1	373.1	376.0	381.2	392.2	409.0	423.6	431.7	431.7
40°	405.6	403.8	404.4	407.3	412.5	425.3	444.4	467.7	490.9	501.3	504.8
42.5°	436.3	434.6	436.9	439.8	452.6	472.3	500.7	536.1	569.2	585.4	584.9
45°	464.7	465.9	468.8	475.8	494.3	523.4	564.0	611.5	654.5	673.6	680.6
47.5°	493.2	493.8	497.8	510.0	536.1	572.7	622.0	685.2	732.8	755.4	764.1
50°	519.9	521.0	528.0	545.4	576.2	620.2	681.2	748.5	800.7	827.4	834.9
52.5°	543.7	544.8	552.9	574.4	611.0	662.0	725.8	794.9	850.0	880.8	885.4
55°	563.4	564.5	572.7	595.3	634.8	687.6	752.5	821.0	872.6	899.9	903.4
57.5°	575.0	575.6	584.3	607.5	646.4	695.7	758.3	824.5	869.7	894.1	897.0
60°	575.6	576.7	584.9	605.7	641.7	687.0	746.7	805.9	847.1	869.2	872.6
62.5°	565.1	565.7	572.7	588.9	619.7	659.1	714.2	767.6	804.8	826.2	830.3
65°	541.3	541.3	544.8	557.0	580.8	614.4	661.4	710.8	745.0	764.7	767.0
67.5°	501.9	501.9	502.5	510.6	526.8	553.5	593.6	634.8	665.5	685.2	688.1
70°	451.4	450.8	446.2	451.4	461.8	484.5	519.9	551.2	576.2	591.8	602.3
72.5°	387.6	385.3	381.8	380.6	391.1	410.8	439.8	461.3	475.2	492.0	493.2
75°	313.3	312.2	307.5	307.5	318.0	333.6	356.8	371.3	378.3	389.3	391.6
77.5°	233.8	233.2	235.0	235.6	241.4	258.2	271.5	282.0	280.2	287.2	289.5
80°	163.6	164.8	164.8	164.2	170.0	176.4	190.9	193.8	191.5	193.8	193.8
82.5°	103.9	103.3	102.1	103.9	108.5	113.7	119.5	120.1	121.8	120.1	121.3
85°	52.2	51.6	52.8	53.4	55.7	58.6	63.8	65.0	62.1	62.1	60.9
87.5°	18.0	19.1	18.0	18.6	18.6	21.5	20.9	20.9	20.9	20.9	22.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)